

PATENT  
Attorney Docket No.: CH919990017US1

IN THE CLAIMS

1. (Currently Amended) A method for controlling at least one first device having a limited user-interface by using at least one second device, wherein the first and second devices communicate via a wireless communication channel and support a common communications protocol, the method comprising the steps of:

transmitting the limited user-interface information from the at least one first device to the at least one second device;

providing an extended user-interface on the second device, the extended user-interface corresponding to comprising the transmitted limited user-interface information and extended functions;

accepting user commands input via the extended user-interface;

transmitting user commands from the second to the first device; and

executing the transmitted user commands on the first device.

2. (Original) The method recited in Claim 1, wherein the user-interface information is a standardized user-interface description.

3. (Previously Amended) The method recited in Claim 1, wherein the second device transmits a list of available services to the first device prior to said first device transmitting user-interface information to said second device.

4. (Previously Amended) The method recited in Claim 1, wherein the wireless communication channel is automatically established between the first device and the second device.

5. (Previously Amended) The method recited in Claim 1, wherein the second device comprises a display for displaying said extended user-interface.

6. (Previously Amended) The method recited in Claim 1, wherein the second device comprises a keyboard for accepting the user commands.

7. (Previously Amended) The method recited in Claim 1, wherein a markup language

PATENT

Attorney Docket No.: CH919990017US1

is used for user-interface information.

8. (Original) The method recited in Claim 7, wherein Wireless Markup Language (WML) is used as the markup language.

9. (Previously Amended) The method recited in Claim 1, wherein the second device provides the extended user-interface by using browser software to display at least a portion of the user-interface information.

10. (Previously Amended) The method recited in Claim 1, wherein a wireless session protocol is used for transmitting the user commands to the first device.

11. (Previously Amended) The method recited in Claim 1, wherein a hypertext transport protocol (HTTP) is used for transmitting the user command information to the first device.

12. (Previously Amended) The method recited in Claim 1, further comprising the step of sending a confirmation signal from the first device to the second device following the step of executing the-transmitted user commands.

13. (Previously Amended) The method recited in Claim 12, wherein the confirmation signal indicates whether the execution of the transmitted user commands at the first device was successful.

14. (Previously Amended) The method recited in Claim 1, wherein the wireless communications channel is initiated by the first device.

15. (Previously Amended) The method recited in Claim 1, wherein, prior to said step of transmitting the limited user-interface information, the second device transmits a request signal to the first device requesting the limited user-interface information.

16. (Currently Amended) A system for remotely controlling devices, said system comprising:

a first device comprising a limited user-interface, a first processor, a first transceiver, a

BEST AVAILABLE COPY

PATENT  
Attorney Docket No.: CH919990017US1

first memory, and a first user-interface manager;

a second device comprising; a second processor, a second transceiver, a second memory, and a second user-interface manager; and

a wireless communications channel for communication between the first device and the second device, wherein

the first user-interface manager transmitting the limited user-interface information to the second device via the first transceiver, the wireless communications channel and the second transceiver;

the second user-interface manager providing an extended user-interface in accordance with comprising the limited user-interface information and extended functions;

the second device accepting user commands via the second user-interface;

the second computer device transmits user commands to the first device via the second transceiver, the wireless communications channel, and the first transceiver; and

the first device executes the user commands information received from the second device.

17. (Previously Amended) The system recited in Claim 16, wherein the first transceiver and the second transceiver automatically establish the wireless communication channel between the first device and the second device.

18. (Previously Amended) The system recited in Claim 16, wherein the second device further comprises a display that displays the extended user-interface.

19. (Previously Amended) The system recited in Claim 16, wherein the second device further comprises a keyboard for accepting the user input.

20. (Previously Amended) The system recited in Claim 16, wherein the second device provides the extended user-interface by using browser software to display the limited user-interface information.

21. (Previously Amended) The system recited in Claim 16, whereby the second device further enables a user to initiate a request by the second device of the limited user-interface

PATENT  
Attorney Docket No.: CH919990017US1

information from the first device.

22. (Previously Amended) The system recited in Claim 16, further comprising a third device-comprising a third processor, a third transceiver, and a third memory storing part for storing the limited user-interface information.

23. (Previously Amended) The system recited in Claim 22, wherein a first part of the limited user-interface information is transmitted by the first device to the second device and a second part of the limited user-interface information is transmitted by the third device to the second device.

24. (Previously Amended) The system recited in Claim 23, wherein the first part of the limited user-interface information is a pointer identifying a portion of the third memory storing part where the second part of the limited user-interface information is stored.

25. (Currently Amended) A computer program device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for instructing a device including a limited user-interface, a processor, a transceiver for interfacing through a wireless communications channel with a remote device, a memory, and a user-interface manager, to perform a method comprising the steps of:

(a) transmitting the limited user-interface information through the wireless communications channel to the remote device;

(b) receiving user input generated at the remote device via the wireless communications channel, said remote device providing an extended user interface, said extended user-interface comprising the received limited user-interface information and extended functions;

(c) executing the user input command; and

(d) transmitting a confirmation signal to the remote device through the wireless communications channel.

26. (Currently Amended) A computer program device readable by a machine, tangibly embodying a program of instructions executable by the machine to perform method steps for instructing a device including an extended user-interface manager, a processor, a memory, and a transceiver for interfacing through a wireless communications channel with a

PATENT

Attorney Docket No.: CH919990017US1

limited user-interface device, to perform a method comprising the steps of:

(a) receiving limited user-interface information from the limited user-interface device through the wireless communications channel;

(b) providing an extended user-interface under the control of the extended user-interface manager, said extended user-interface ~~corresponding to~~ comprising the received limited user-interface information and extended functions;

(c) accepting user input commands via said extended user interface;

(d) sending user input commands via the wireless communications channel to the limited user-interface device;

(e) receiving a confirmation signal via the wireless communications channel from the limited user-interface device, said confirmation signal indicating that said input commands have been executed by the limited user-interface device; and

(f) providing a notification to a user, said notification corresponding to the confirmation signal.